



Concepts of Ecology, Fourth Edition

By Edward J. Kormondy

PHI Learning, 2009. Softcover. Book Condition: New. 4th edition. This comprehensive text presents the significant concepts of modern ecology in an intelligible and easy-to-understand manner. It continues to focus on ecosystem ecology emphasizing energy flow, biogeochemical cycling, population ecology and community ecology. Designed for students with some knowledge of biology and chemistry, its terminology is minimized, and elementary mathematics is used for quantitative aspects. CONTENTS: Preface. PART I: ECOLOGY AND ECOSYSTEMS_Ecology as a Science. The Nature of Ecosystems. PART II: THE ABIOTIC ENVIRONMENT_Minimums, Tolerances, and the Medium. Insolation, Precipitation, and Climate. Soils, Nutrients, and Other Factors. PART III: ENERGY FLOW IN ECOSYSTEMS_Energy Fixation by Autotrophs. Energy Flow Beyond the Producers. PART IV: BIOGEOCHEMICAL CYCLES AND ECOSYSTEMS_Gaseous and Sedimentary Nutrient Cycles. Nutrient Budgets and Ecosystems. PART V: POPULATION ECOLOGY_Population Growth and Structure. Population Regulation. PART VI: COMMUNITY ECOLOGY_The Structure and Function of Communities. Stability and Change in Communities. PART VII: MAJOR ECOSYSTEMS OF THE WORLD_Biomes, the Major Terrestrial Ecosystems. Aquatic Ecosystems. PART VIII: HUMAN ECOLOGY_The Nature of Human Ecology. The Human Population. Anthropogenic Impact on Aquatic Ecosystems. Anthropogenic Impact on Terrestrial Systems. Anthropogenic Impact on the Atmosphere. References. Index. Printed Pages: 576.



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